

Title (en)

METHODS OF PREPARING CRYSTALLINE GERMANOSILICATE MATERIALS OF CIT-13 TOPOLOGY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KRISTALLINEN GERMANIUMSILIKATMATERIALIEN DER CIT-13-TOPOLOGIE

Title (fr)

MÉTHODES DE PRÉPARATION DE MATÉRIAUX À BASE DE GERMANOSILICATE CRISTALLIN DE TOPOLOGIE CIT-13

Publication

EP 3802423 A1 20210414 (EN)

Application

EP 19811778 A 20190426

Priority

- US 201862678517 P 20180531
- US 2019029323 W 20190426

Abstract (en)

[origin: WO2019231595A1] The present disclosure is directed to novel crystalline germanosilicate compositions and methods of producing the same. In particular, the crystalline germanosilicate compositions are extra-large-pore compositions, designated CIT-13 possessing 10- and 14- membered rings. The disclosure describes methods of preparing these compositions using substituted benzyl- imidazolium organic structure-directing agents (OSDAs). Also disclosed are methods of using these crystalline compositions.

IPC 8 full level

C01B 33/20 (2006.01); **C01B 37/00** (2006.01)

CPC (source: EP KR)

B01J 29/89 (2013.01 - EP); **B01J 35/30** (2024.01 - EP); **C01B 33/20** (2013.01 - KR); **C01B 37/005** (2013.01 - KR); **C01B 39/08** (2013.01 - EP); **C01B 39/48** (2013.01 - EP); **C01P 2002/72** (2013.01 - KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019231595 A1 20191205; **WO 2019231595 A8 20200123**; CN 112236394 A 20210115; EP 3802423 A1 20210414; EP 3802423 A4 20220302; JP 2021526497 A 20211007; JP 7445308 B2 20240307; KR 20210005934 A 20210115

DOCDB simple family (application)

US 2019029323 W 20190426; CN 201980036753 A 20190426; EP 19811778 A 20190426; JP 2020554882 A 20190426; KR 20207034396 A 20190426